

OK
4/24/2009

possible
ODPs or act interference
for 95-100% new limitation

re greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES SEQ ID NO: 2753

consolidated from

SCORE alignment

Result %
Query
No. Score Match Length DB ID Description

1	275.4	100.0	277	21	US-09-237-183A-2753	Sequence 2753, Ap
2	275.4	99.4	676	28	US-09-634-617-6839	Sequence 6839, Ap
3	275.4	99.4	676	28	US-09-684-016-6839	Sequence 6839, Ap
4	275.4	99.4	676	82	US-11-503-243A-6839	Sequence 6839, Ap
5	266	96.0	278	21	US-09-262-104-1604Q	Sequence 16040, A
6	266	96.0	278	22	US-09-304-517A-158513	Sequence 158513, A
7	266	96.0	278	22	US-09-371-146A-158513	Sequence 158513, A
8	266	96.0	278	24	US-09-531-113-888	Sequence 888, App
9	266	96.0	278	27	US-09-615-606A-76177	Sequence 76177, A
10	266	96.0	278	36	US-09-975-284-16040	Sequence 16040, A
11	266	96.0	278	37	US-09-985-678-158513	Sequence 158513, A
12	266	96.0	278	85	US-11-790-576A-76177	Sequence 76177, A
13	266	96.0	278	87	US-11-976-766-888	Sequence 888, App
14	266	96.0	541	22	US-09-304-517A-223564	Sequence 223564, A
15	266	96.0	541	22	US-09-371-146A-223564	Sequence 223564, A
16	266	96.0	541	37	US-09-985-678-223564	Sequence 223564, A
17	266	96.0	541	93	US-60-125-816-6977	Sequence 6977, Ap
18	266	96.0	687	32	US-09-874-708A-89059	Sequence 89059, A
19	266	96.0	687	94	US-60-211-750-87926	Sequence 87926, A
20	266	96.0	1736	41	US-10-219-999-4367	Sequence 4367, Ap
21	266	96.0	1736	48	US-10-612-783B-7860	Sequence 7860, Ap
22	266	96.0	1736	96	US-60-312-544-1373	Sequence 1373, Ap
23	266	96.0	1851	23	US-11-241-607-63472	Sequence 63472, A
24	266	96.0	1851	85	US-11-787-902-3147	Sequence 3147, Ap
25	266	96.0	1851	101	US-60-792-722-3147	Sequence 3147, Ap
26	266	96.0	1970	73	US-11-216-545-3523	Sequence 3523, Ap
27	266	96.0	1970	100	US-60-606-062-3523	Sequence 3523, Ap
28	266	96.0	4044	48	US-10-612-783-399	Sequence 399, App
29	266	96.0	4044	48	US-10-612-783A-399	Sequence 399, App
30	266	96.0	4044	48	US-10-612-783B-399	Sequence 399, App

2008/02/26/2753

2008/02/26/2753

2008/02/26/2753

2008/02/26/2753

2008/06/06/199

935
446
09/20/09 517/326
07/29/09 146/120
09/25/09 118/556 20/150

SEQ ID NO: 2252

1	352	100.0	352	21	US-09-237-183A-2252	Sequence 2252, Ap
2	352	100.0	352	22	US-09-304-517A-246524	Sequence 246524, A
3	352	100.0	352	25	US-09-440-687-4515	Sequence 4515, A
4	352	100.0	352	27	US-09-615-606A-24345	Sequence 24345, A
5	352	100.0	352	37	US-09-985-678-246524	Sequence 246524, A

09/18/09 728/69547 2753

Alon.

10/24/09 599 (7/483)

7/4/09-2026

Alon.

8,315,968

6	352	100.0	352	73	US-11-239-591A-4515	Sequence 4515, Ap
7	352	100.0	352	85	US-11-290-576-24545	Sequence 24545, A
8	352	100.0	352	87	US-11-978-195-4515	Sequence 4515, Ap
9	352	100.0	352	93	US-60-144-084-228	Sequence 228, App
10	352	100.0	383	22	US-09-371-146A-246524	Sequence 246524,

SEQ ID NO: 2042

Result Query

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3	277	100.0	278	21	US-09-262-979-4300
4	277	100.0	278	36	US-09-978-703-24581
5	277	100.0	278	37	US-09-987-899-4300
6	265	95.7	277	21	US-09-244-000A-62998
7	265	95.7	277	26	US-09-552-086-119
8	265	95.7	277	36	US-09-978-703-62998
9	265	95.7	277	76	US-11-330-082-119
10	265	95.7	283	22	US-09-304-517A-108065
11	265	95.7	283	22	US-09-371-146A-108065
12	265	95.7	283	37	US-09-985-678-108065
13	265	95.7	510	22	US-09-304-517A-217653
14	265	95.7	510	22	US-09-371-146A-217653
15	265	95.7	510	26	US-09-552-086-15791
16	265	95.7	510	37	US-09-985-678-217653
17	265	95.7	510	76	US-11-330-082-15791
18	265	95.7	532	22	US-09-304-517A-216095
19	265	95.7	532	22	US-09-371-146A-216095
20	265	95.7	532	26	US-09-552-086-13034
21	265	95.7	532	37	US-09-985-678-216095
22	265	95.7	532	76	US-11-330-082-13034
23	265	95.7	1483	41	US-10-219-999-3649
24	265	95.7	1483	43	US-10-425-114-7691
25	265	95.7	1483	43	US-10-425-114A-7691
26	265	95.7	1483	82	US-11-520-245-7691
27	264.6	95.5	273	21	US-09-237-183A-2048
28	264.6	95.5	273	21	US-09-244-000A-61954
29	264.6	95.5	273	21	US-09-262-979-4305
30	264.6	95.5	273	26	US-09-552-086-113
31	264.6	95.5	273	36	US-09-978-703-61954
32	264.6	95.5	273	37	US-09-987-899-4305
33	264.6	95.5	273	76	US-11-330-082-113
34	264	95.3	276	28	US-09-654-617-49357
35	264	95.3	276	28	US-09-684-016-49357

2003/02/28/0

2004/06/17/83

2009/06/30/20

Appeal

2007/01/18/185

~~36~~ 264 95.3 276 82 US-11-503-243A-49357
~~37~~ 264 95.3 277 21 US-09-237-183A-2036
~~38~~ 264 95.3 277 21 US-09-262-979-4293
~~39~~ 264 95.3 277 22 US-09-304-517A-105782
~~40~~ 264 95.3 277 22 US-09-371-146A-105782
~~41~~ 264 95.3 277 28 US-09-654-617-53403

Sequence 49357, A
Sequence 2036, Ap
Sequence 4293, Ap
Sequence 105782,
Sequence 105782,
Sequence 53403, A

2007/0093020

~~42~~ 264 95.3 277 28 US-09-684-016-53403
~~43~~ 264 95.3 277 37 US-09-985-678-105782
~~44~~ 264 95.3 277 37 US-09-987-899-4293

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Sequence 105782,
Sequence 4293, Ap

2007/0067865

~~45~~ 264 95.3 277 82 US-11-503-243A-53403

Sequence 53403, A

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2007/0041495

~~2~~ 119 100.0 119 92 US-60-090-928-11

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2007/0209055

~~3~~ 117.4 98.7 2155 73 US-11-218-305-9995

Sequence 9995, Ap

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Sequence 9995, Ap

~~5~~ 115.8 97.3 338 21 US-09-237-183A-1106

Sequence 1106, Ap

~~6~~ 115.8 97.3 338 92 US-60-090-928-12

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2007/0135120

~~7~~ 115.8 97.3 813 28 US-09-654-617-274152

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~~8~~ 115.8 97.3 813 28 US-09-684-016-274152

Sequence 274152,

2007/0067865

~~9~~ 115.8 97.3 813 82 US-11-503-243A-274152

Sequence 274152,

SEQ ID NO: 11

~~1~~ 256 100.0 256 21 US-09-237-183A-11

Sequence 11, Appl

~~2~~ 256 100.0 256 21 US-09-262-979-3551

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~~3~~ 256 100.0 256 22 US-09-304-517A-2514

Sequence 2514, Ap

~~4~~ 256 100.0 256 22 US-09-371-146A-2514

Sequence 2514, Ap

~~5~~ 256 100.0 256 37 US-09-985-678-2514

Sequence 2514, Ap

~~6~~ 256 100.0 256 37 US-09-987-899-3551

Sequence 3551, Ap

~~7~~ 246 96.1 519 45 US-10-481-032A-1134

Sequence 1134, Ap

2007/0059672

~~8~~ 246 96.1 643 32 US-09-865-419A-52132

Sequence 52132, A

~~9~~ 246 96.1 1183 73 US-11-241-607-65712

Sequence 65712, A

~~10~~ 246 96.1 1233 28 US-09-654-617-258359

Sequence 258359

~~11~~ 246 96.1 1233 28 US-09-684-016-258359

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~~12~~ 246 96.1 1233 82 US-11-503-243A-258359

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~~13~~ 246 96.1 1281 73 US-11-218-305-1547

Sequence 1547, Ap

2007/0082878

~~14~~ 246 96.1 1281 82 US-11-514-704-1547

Sequence 1547, Ap

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Sequence 4445, Ap

2007/00146335

~~16~~ 244.4 95.5 574 29 US-09-696-664A-13852

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Sequence 13852, A

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Sequence 57486, A

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~~19~~ 244.4 95.5 1053 41 US-10-219-999-14001

Sequence 14001, A

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Sequence 19733, A

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11/503,643/65835

Appl/Man

Ap

2007/01/18/185

~~36~~ 264 95.3 276 82 US-11-503-243A-49357
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~~38~~ 264 95.3 277 21 US-09-262-979-4293
~~39~~ 264 95.3 277 22 US-09-304-517A-105782
~~40~~ 264 95.3 277 22 US-09-371-146A-105782
~~41~~ 264 95.3 277 28 US-09-654-617-53403

Sequence 49357, A
Sequence 2036, Ap
Sequence 4293, Ap
Sequence 105782,
Sequence 105782,
Sequence 53403, A

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Sequence 53403, A
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Sequence 4293, Ap
Sequence 53403, A

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SEQ ID NO: 1108

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~~3~~ 117.4 98.7 2155 73 US-11-218-305-9995
~~4~~ 117.4 98.7 2155 82 US-11-514-704-9995

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Sequence 9995, Ap

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Sequence 1106, Ap

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~~7~~ 115.8 97.3 813 28 US-09-654-617-274152

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~~8~~ 115.8 97.3 813 28 US-09-684-016-274152

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~~9~~ 115.8 97.3 813 82 US-11-503-243A-274152

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Sequence 2514, Ap

~~4~~ 256 100.0 256 22 US-09-371-146A-2514

Sequence 2514, Ap

~~5~~ 256 100.0 256 37 US-09-985-678-2514

Sequence 2514, Ap

~~6~~ 256 100.0 256 37 US-09-987-899-3551

Sequence 3551, Ap

~~7~~ 246 96.1 519 45 US-10-481-032A-1134

Sequence 1134, Ap

2007/0059672

~~8~~ 246 96.1 643 32 US-09-865-419A-52132

Sequence 52132, A

~~9~~ 246 96.1 1183 73 US-11-241-607-65712

Sequence 65712, A

~~10~~ 246 96.1 1233 28 US-09-654-617-258359

Sequence 258359

~~11~~ 246 96.1 1233 28 US-09-684-016-258359

Sequence 258359,

~~12~~ 246 96.1 1233 82 US-11-503-243A-258359

Sequence 258359,

~~13~~ 246 96.1 1281 73 US-11-218-305-1547

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2007/0082878

~~14~~ 246 96.1 1281 82 US-11-514-704-1547

Sequence 1547, Ap

~~15~~ 246 96.1 1331 45 US-10-425-114-4445

Sequence 4445, Ap

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~~16~~ 244.4 95.5 574 29 US-09-696-664A-13852

Sequence 13852, A

~~17~~ 244.4 95.5 574 76 US-11-330-364A-13852

Sequence 13852, A

~~18~~ 244.4 95.5 771 101 US-60-723-596-57486

Sequence 57486, A

2007/0285460

~~19~~ 244.4 95.5 1053 41 US-10-219-999-14001

Sequence 14001, A

~~20~~ 244.4 95.5 1053 45 US-10-425-114-19733

Sequence 19733, A

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Sequence 19733, A

Seq
11/258,359/3591
11/503,643/65835

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11/503,643/65835

11/503,643/65835

11/503,643/65835

11/503,643/65835

Memo

~~22 244.4 95.5 1053 82 US-11-520-715-19738~~
~~23 244.4 95.5 1060 41 US-10-219-999-13986~~
~~24 244.4 95.5 1060 45 US-10-423-114A-19695~~
~~25 244.4 95.5 1060 45 US-10-423-114A-19695~~
~~26 244.4 95.5 1060 82 US-11-520-715-19695~~

Sequence 19733, A
 Sequence 13986, A
 Sequence 19695, A
 Sequence 19695, A
 Sequence 19695, A

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266 96.0 424 5 BU578008
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~~3 266 96.0 541 1 AW508679~~
~~4 266 96.0 584 1 AW703686~~
~~5 266 96.0 586 2 BE210588~~
~~6 266 96.0 589 1 AW234690~~
~~7 266 96.0 602 1 AW203663~~
~~8 266 96.0 609 1 AW707140~~
~~9 266 96.0 619 2 BF071523~~
~~10 266 96.0 625 2 BF070628~~
~~11 266 96.0 704 2 BE660223~~
~~12 266 96.0 745 6 CA800210~~
~~13 266 96.0 756 6 CA785138~~
~~14 264.4 95.5 689 6 CA799056~~

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 AW508197 si50d11.y
 AW508679 si35a12.y
 AW703686 sk23b07.y
 BE210588 so50c03.y
 AW234690 si18b07.y
 AW203663 si36g08.y
 AW707140 sk10b06.y
 BF071523 st62b11.y
 BF070628 st23b11.y
 BE660223 504 Gmax5
 CA800210 sat79a02.
 CA785138 sat25a05.
 CA799056 sat75g03.

checked all for dates not beating 1997

SEQ ID NO: 2042

~~1 265 95.7 467 2 BF599084~~
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~~3 265 95.7 577 3 BM892509~~
~~4 264 95.3 540 3 BM892267~~
~~5 264 95.3 709 1 AW472118~~
~~6 263.4 95.1 544 3 BM521370~~
~~7 263.4 95.1 562 3 BM954869~~

BF599084 sv25c05.y
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 BM892509 sam61b09.
 BM892267 sam58c12.
 AW472118 si20b06.y
 BM521370 sal14a08.
 BM954869 sam74c10.

no dates after 1997

1 277 100.0 278 3 US-09-237-183A-2042
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~~3 263.4 95.7 1483 7 US-10-423-114A-7691~~
~~4 264.6 95.5 273 3 US-09-237-183A-2048~~
~~5 264.6 95.5 273 3 US-09-987-899-4305~~
~~6 264 95.3 277 3 US-09-237-183A-2036~~
~~7 264 95.3 277 3 US-09-987-899-4293~~
~~8 263.4 95.1 1568 7 US-10-423-114A-8009~~
~~9 263.4 95.1 1836 7 US-10-424-599-26068~~

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 Sequence 4300, Ap
 Sequence 7691, Ap
 Sequence 2048, Ap
 Sequence 4305, Ap
 Sequence 2036, Ap
 Sequence 4293, Ap
 Sequence 8009, Ap
 Sequence 26068, A

2042/003/072

1 277 100.0 278 9 ADA59888
 2 277 100.0 278 12 ADP61231

Ada59888 Soybean f
 Adp61231 Soybean c

bad data

3	264.6	95.5	1483	13	ADX13116	Ads13116 Plant ful
4	264.6	95.5	273	9	ADA59894	Ada59894 Soybean f
5	264.6	95.5	273	12	ADP61236	Adp61236 Soybean c
6	264	95.3	277	9	ADA59882	Ada59882 Soybean f
7	264	95.3	277	12	ADP61224	Adp61224 Soybean c
8	263.4	95.1	1508	13	ADX13434	Ads13434 Plant ful

SEQ ID NO:1108

1	116.3	97.8	458	1	AW066061	AW066061 687005E08
2	115.8	97.3	870	7	CO459838	CO459838 MZCCL1501
3	115.8	97.3	1993	4	AY105705	AY105705 Zea mays

SEQ ID NO: 11

c 1	246	96.1	616	6	CF013942	CF013942 QBL12a04
2	246	96.1	652	6	CD990842	CD990842 QAZ1e03.y
3	246	96.1	680	8	DR817620	DR817620 ZM_BFb005
c 4	246	96.1	694	3	BM074427	BM074427 MEST86-B1
c 5	246	96.1	722	6	CA402746	CA402746 EL01N0442
6	246	96.1	748	6	CD444620	CD444620 EL01N0442
c 7	246	96.1	770	6	CD436896	CD436896 EL01N0365
8	246	96.1	780	6	CD435713	CD435713 EL01N0365
c 9	246	96.1	780	8	DR955866	DR955866 ZM_BFb005
10	246	96.1	891	6	CD439210	CD439210 EL01N0522
11	244.4	95.5	648	6	CF273190	CF273190 EST2752 Z
12	244.4	95.5	651	6	CD052336	CD052336 EST1595 Z
13	244.4	95.5	653	7	CF920046	CF920046 EST4346 Z
14	244.4	95.5	658	7	CF919866	CF919866 EST4166 Z
15	244.4	95.5	694	7	CF974880	CF974880 EST4613 Z
16	244.4	95.5	718	6	CF602468	CF602468 EST3541 Z
c 17	244.4	95.5	745	8	DR802095	DR802095 ZM_BFb002
18	244.4	95.5	748	6	CF602628	CF602628 EST3701 Z
19	244.4	95.5	786	8	DN559872	DN559872 ME16-F11-
20	244.4	95.5	786	8	DR802096	DR802096 ZM_BFb002
21	244.4	95.5	858	7	CO444034	CO444034 MZCCL1006
22	244.4	95.5	885	7	CO450637	CO450637 MZCCL1015
23	243.4	95.1	661	6	CF273442	CF273442 EST3131 Z
24	243.4	95.1	853	7	CO445876	CO445876 MZCCL1009

1	256	100.0	256	3	US-09-237-183A-11	Sequence 11, Appl
2	256	100.0	256	3	US-09-987-899-3551	Sequence 3551, Ap
3	246	96.1	519	9	US-10-481-032A-1134	Sequence 1134, Ap
4	246	96.1	1331	8	US-10-425-115-1115	Sequence 4445, Ap
5	244.4	95.5	1053	7	US-10-425-114-10733	Sequence 19733, A
6	244.4	95.5	1060	7	US-10-425-114-10695	Sequence 19695, A

1 ~~256~~ 100.0 256 9 ADA57857
 2 ~~256~~ 100.0 256 12 ADP60482
 3 ~~256~~ 96.1 519 10 ADC08829
 4 ~~244~~ 95.5 1053 13 ADX36913
 5 ~~244~~ 95.5 1060 13 ADX36875

Ada57857 Maize tri
 Adp60482 Maize ear
 Adc08829 Corn DNA
 Adx36913 Plant ful
 Adx36875 Plant ful